

## Geological survey in eastern part of the Ushikubi fault, central Japan

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The Ushikubi fault is a right-lateral strike-slip active fault trending NE-SW direction along the Toyama -Gifu border. We carried out analysis the topographical and geology data which we hold before and geological survey on eastern part of the fault.

Near Wada, Ooyama city, Toyama, geometric patterns of lineaments resembles patterns of end of fault. Displacement or modification wasn't recognized in andesite (Miocene), in Tateyama volcanic product (late Quaternary), fluvial terraces contrasted with Tachikawa surface located in east extension of lineaments. Near Hatogaya, Shirakawa village, Gifu, displacement or modification wasn't recognized in fluvial terraces (late Quaternary). Therefore, it can be judged that the section destroyed in late Quaternary in the Ushikubi fault is about 56km from near Omi, Oyama city, Toyama to near Hatogaya, Shirakawa village, Gifu.

The result of a geological survey in eastern part of the Ushikubi fault, we were able to get some topographical and geology data in seven areas where accumulate the Quaternary.

Based on these result, we are going to excavated trench on the optimal point, and identify the most recent surface-rupturing event on the eastern part of the Ushikubi fault in the spring 2003.